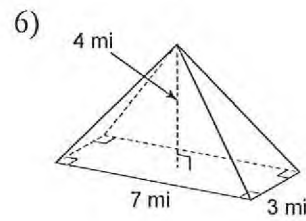
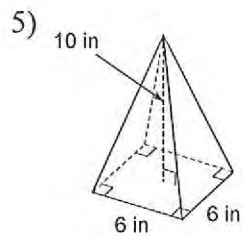
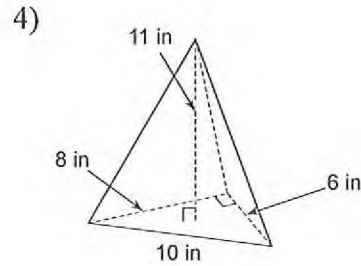
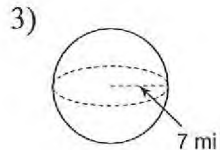
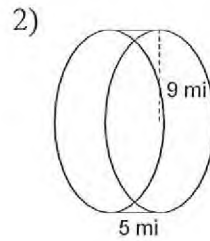
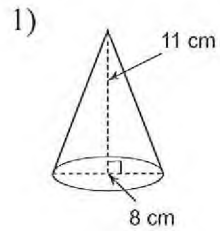
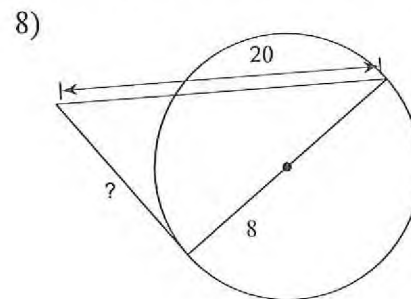
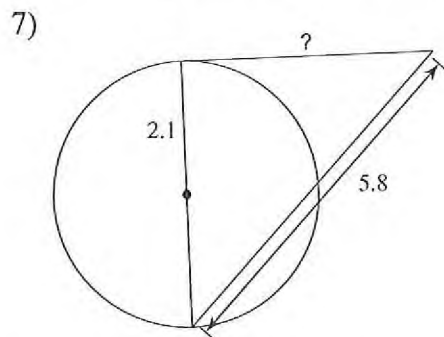


EOC Review #11

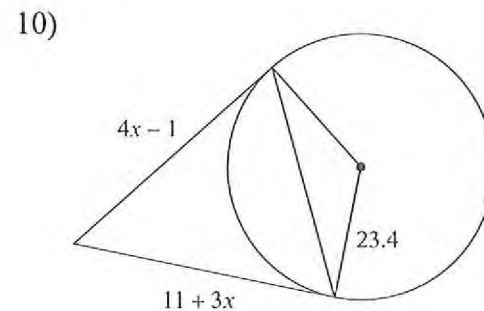
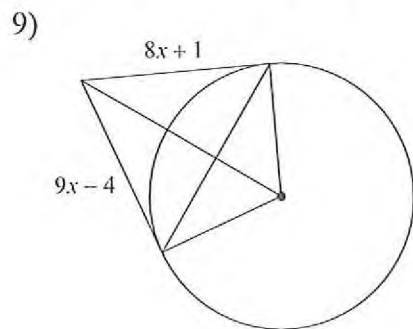
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



Find the segment length indicated. Assume that lines which appear to be tangent are tangent.

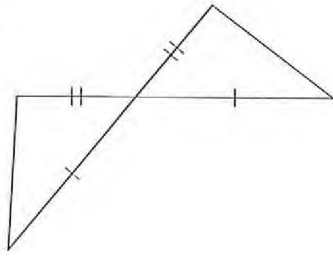


Solve for  $x$ . Assume that lines which appear to be tangent are tangent.

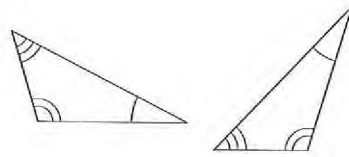


State if the two triangles are congruent. If they are, state how you know.

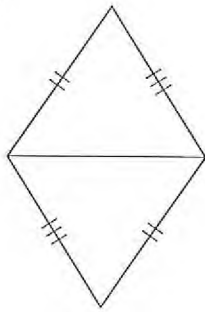
11)



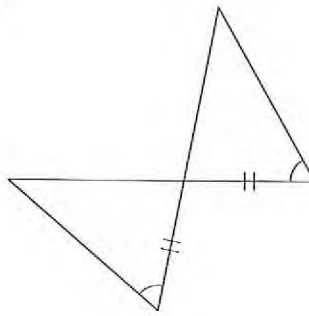
12)



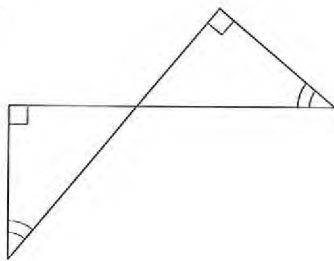
13)



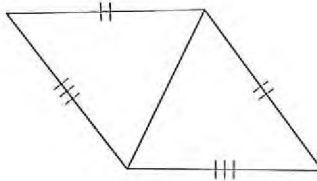
14)



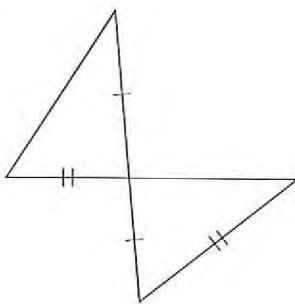
15)



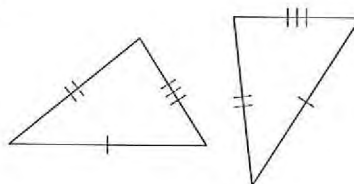
16)



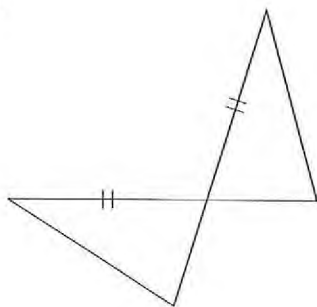
17)



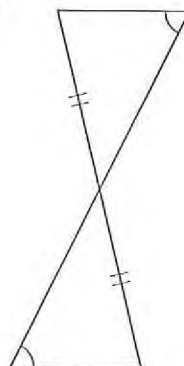
18)



19)

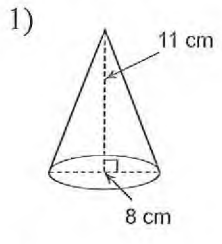


20)



EOC Review #11

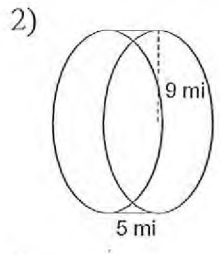
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



$$\frac{1}{3} \pi r^2 h$$

$$\frac{1}{3} \pi \cdot 4^2 \cdot 11$$

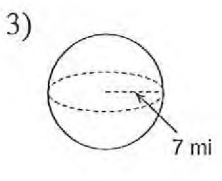
**184.31**



$$\pi r^2 h$$

$$\pi \cdot 9^2 \cdot 5$$

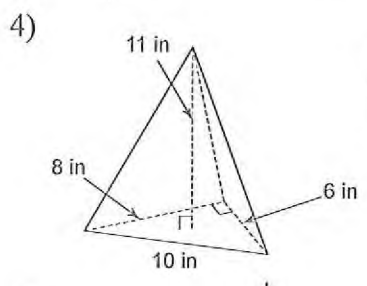
**1272.35**



$$\frac{4}{3} \pi r^3$$

$$\frac{4}{3} \pi \cdot 7^3$$

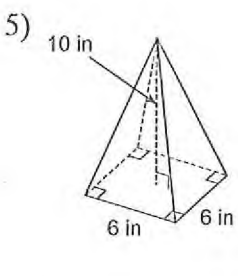
**1436.76**



$$\frac{1}{3} (\frac{1}{2} bh) h$$

$$\frac{1}{3} (\frac{1}{2} \cdot 6 \cdot 8) \cdot 11$$

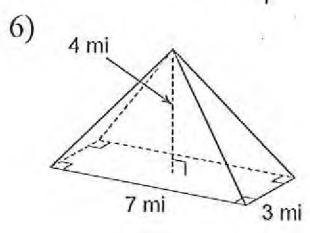
**88**



$$\frac{1}{3} (l \cdot w) h$$

$$\frac{1}{3} (6 \cdot 6) \cdot 10$$

**120**

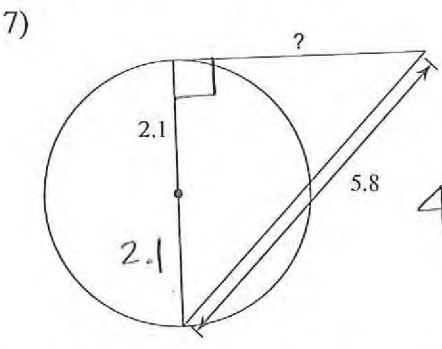


$$\frac{1}{3} (l \cdot w) \cdot h$$

$$\frac{1}{3} (3 \cdot 7) \cdot 4$$

**28**

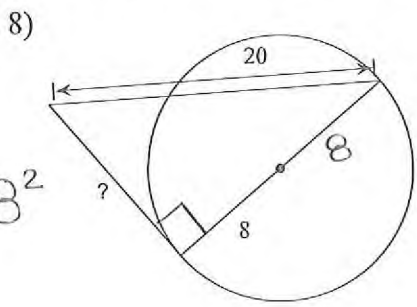
Find the segment length indicated. Assume that lines which appear to be tangent are tangent.



$$4 \cdot 2^2 + x^2 = 5.8^2$$

$$x^2 = 16$$

**x = 4**

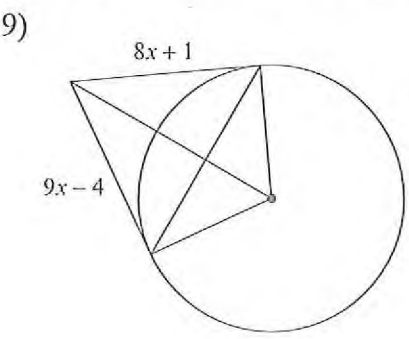


$$x^2 + 16^2 = 20^2$$

$$x^2 = 144$$

**x = 12**

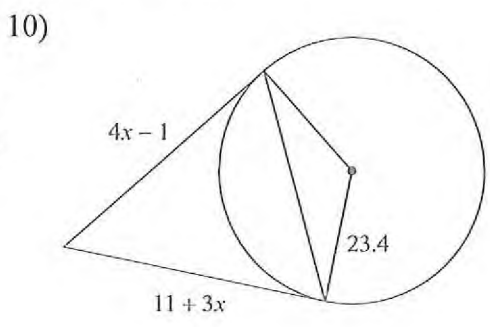
Solve for x. Assume that lines which appear to be tangent are tangent.



$$8x + 1 = 9x - 4$$

$$-8x + 4 \quad -8x + 4$$

**5 = x**



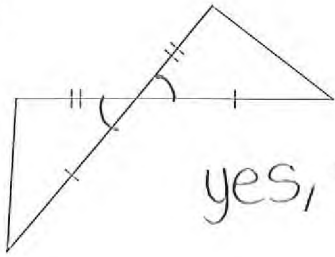
$$4x - 1 = 11 + 3x$$

$$-3x + 1 \quad +1 \quad -3x$$

**x = 12**

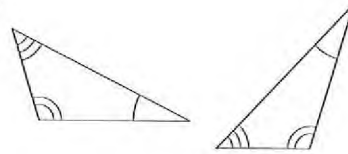
State if the two triangles are congruent. If they are, state how you know.

11)



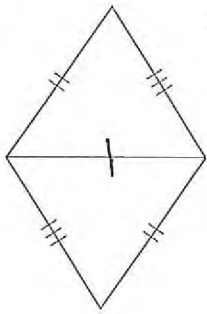
yes, SAS

12)



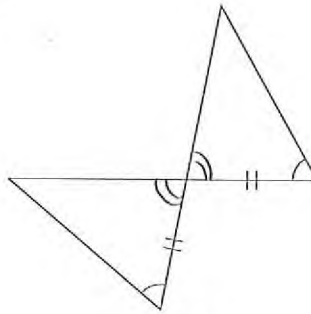
no

13)



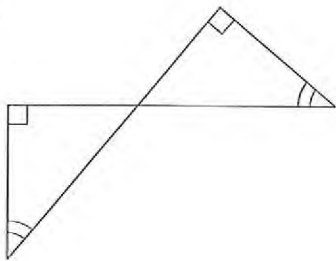
yes, SSS

14)



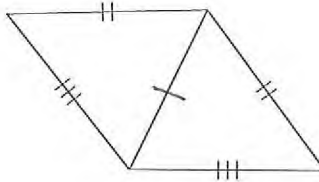
yes, ASA

15)



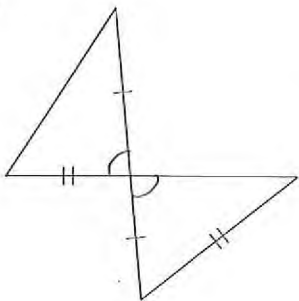
no

16)



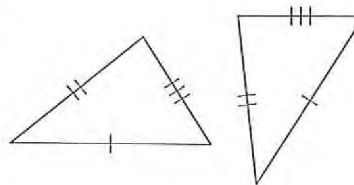
yes, SSS

17)



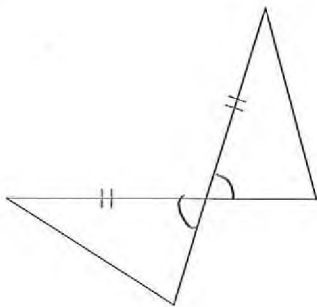
~~yes, SAS~~ <sup>oops!</sup>  
NO!

18)



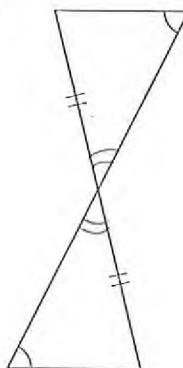
yes, SSS

19)



NO

20)



yes, AAS